

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077754.D
 Acq On : 19 May 2023 10:57
 Operator : JC\MD
 Sample : VN0519WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBL01

Quant Time: May 29 09:44:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

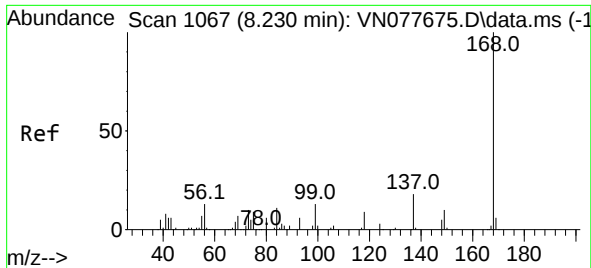
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	391359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	688931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	606194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	256747	43.845	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.700%
35) Dibromofluoromethane	8.171	113	219737	48.913	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.820%
50) Toluene-d8	10.576	98	863922	49.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.920%
62) 4-Bromofluorobenzene	12.853	95	265483	43.471	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1181	Below Cal	#	68
5) Bromomethane	2.965	94	2038	0.491	ug/l	99
10) Methyl Iodide	4.606	142	1322	0.256	ug/l #	38
13) Acrolein	4.200	56	386	Below Cal		87
16) Acetone	4.447	43	574	0.312	ug/l	89
17) Carbon Disulfide	4.718	76	2264	0.204	ug/l #	75
20) Methylene Chloride	5.300	84	1463	Below Cal	#	78
31) Cyclohexane	8.229	56	9340	1.174	ug/l #	51
36) 1,1-Dichloropropene	8.235	75	32108	4.886	ug/l #	48
38) Carbon Tetrachloride	8.229	117	42197	6.360	ug/l #	17
49) 1,4-Dioxane	9.712	88	89	1.039	ug/l #	1
59) 2-Hexanone	11.206	43	958	0.228	ug/l	61
71) Bromoform	12.847	173	1249	0.413	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	139918	24.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139918	79.026	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1260	0.281	ug/l	68
95) Naphthalene	15.647	128	5310	0.344	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	964	0.219	ug/l #	41

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: May 29 09:44:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

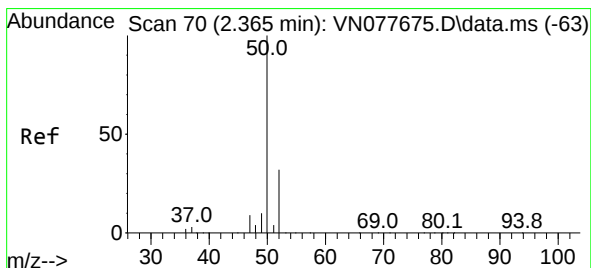
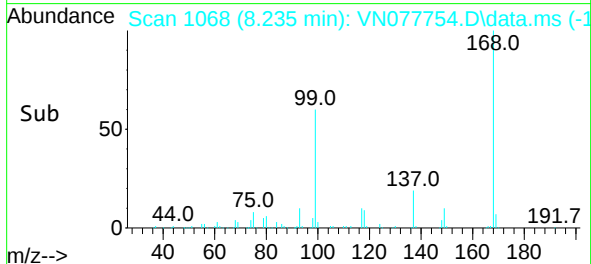
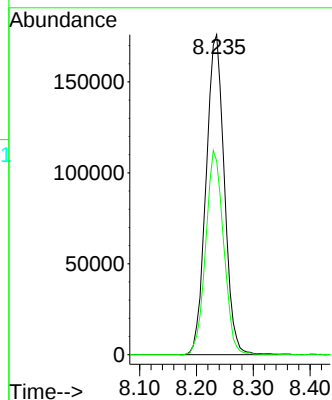
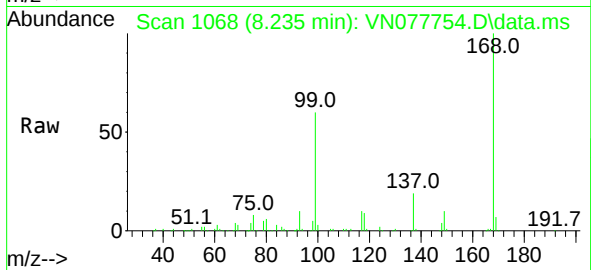




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

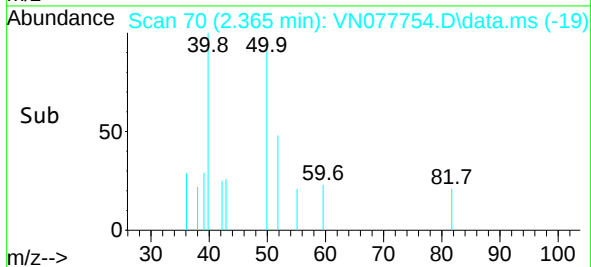
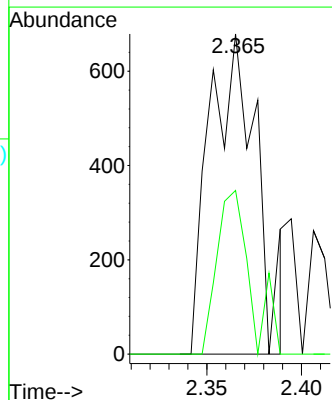
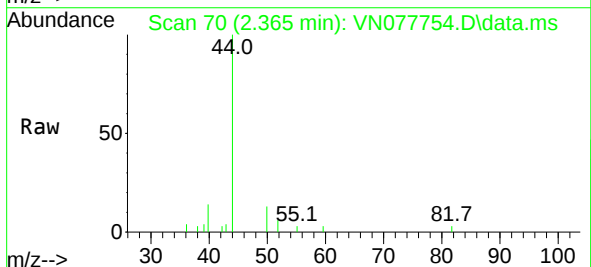
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

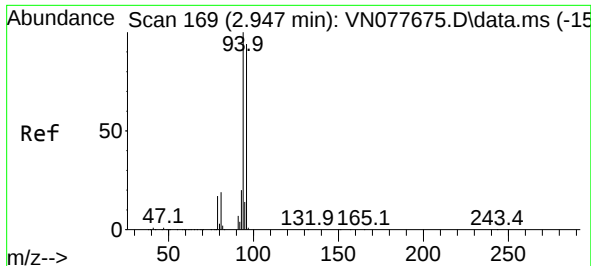
Tgt Ion:168 Resp: 391359
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 50 Resp: 1181
Ion Ratio Lower Upper
50 100
52 51.1 26.5 39.7#

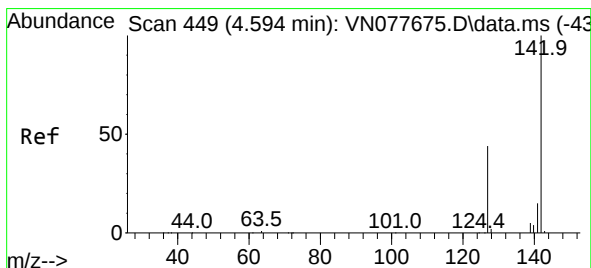
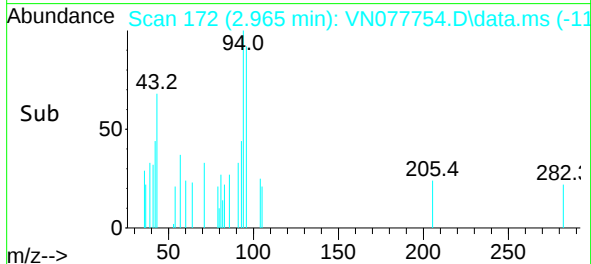
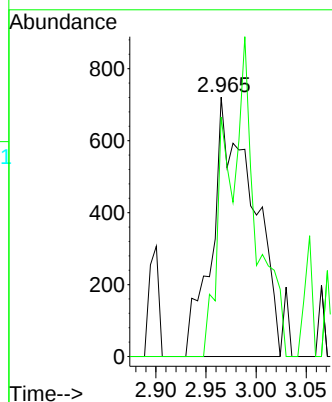
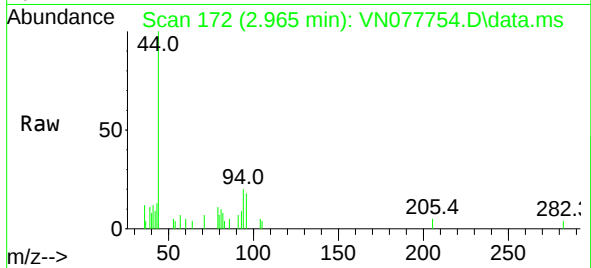




#5
Bromomethane
Concen: 0.491 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

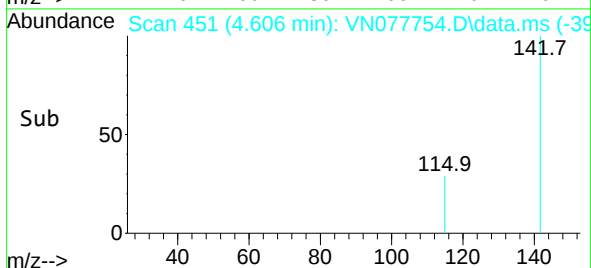
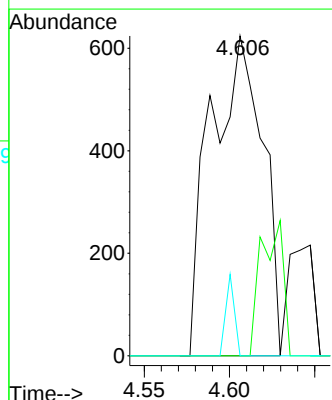
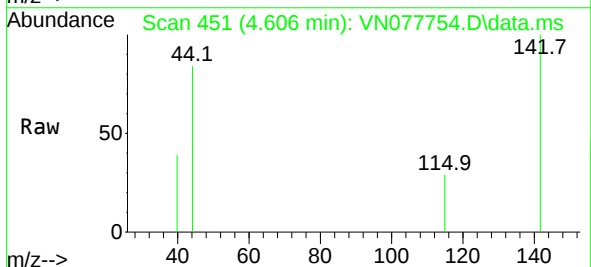
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

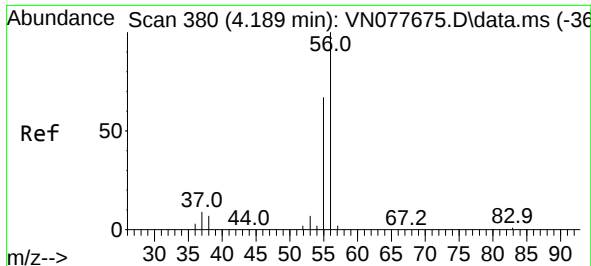
Tgt Ion: 94 Resp: 2038
Ion Ratio Lower Upper
94 100
96 92.4 73.1 109.7



#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 142 Resp: 1322
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

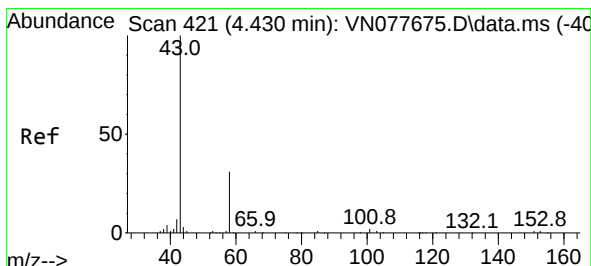
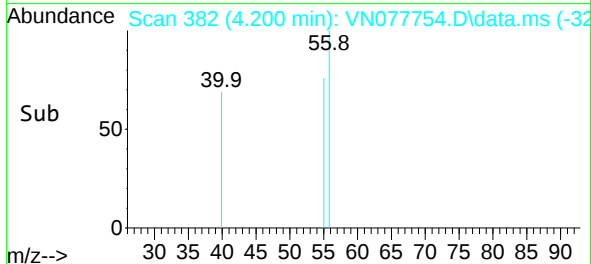
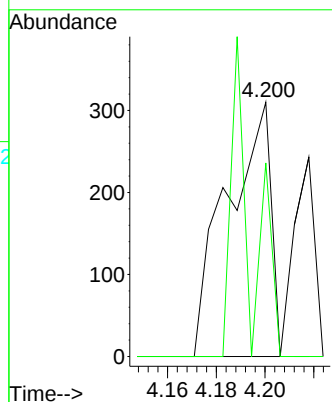
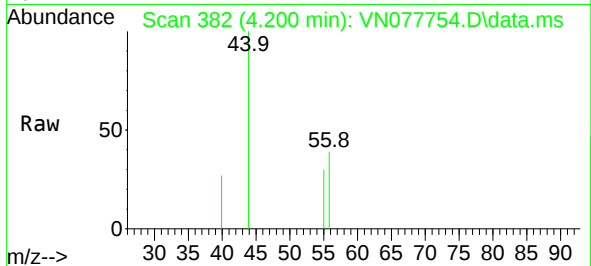




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

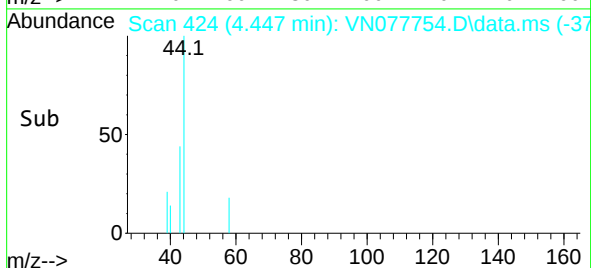
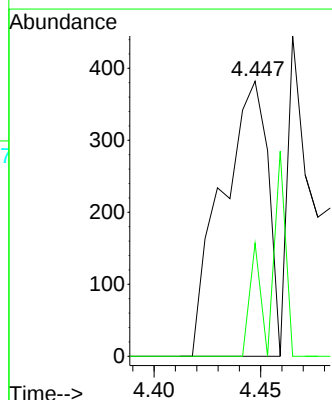
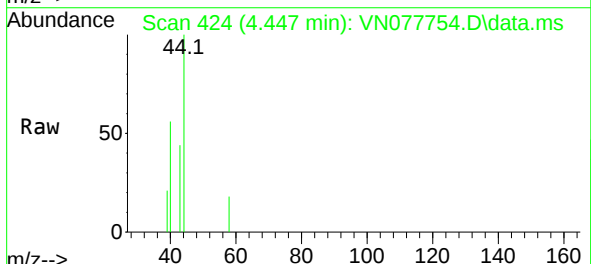
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

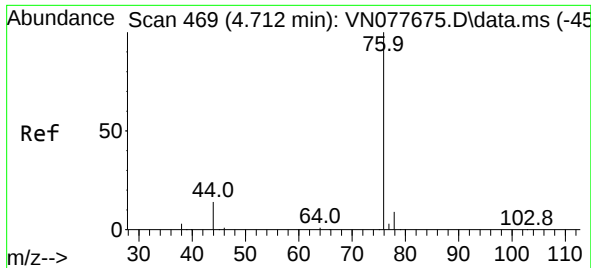
Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 57.3 54.5 81.7



#16
Acetone
Concen: 0.312 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 41.1 28.0 42.0

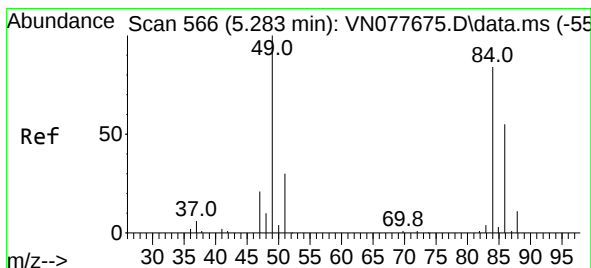
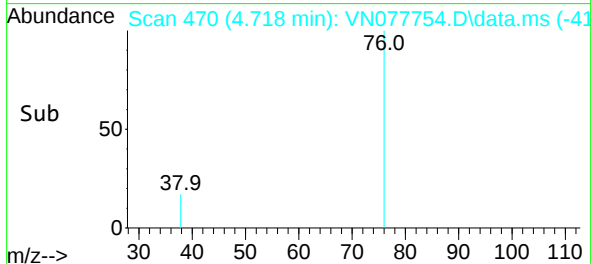
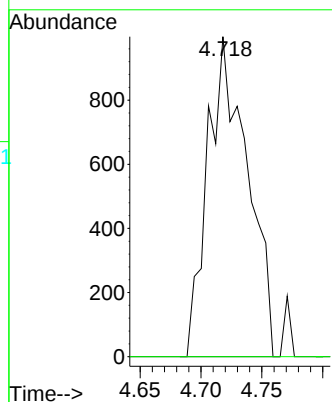
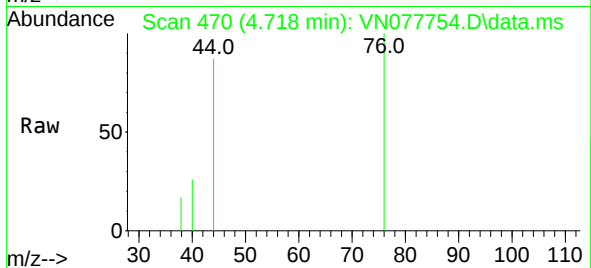




#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

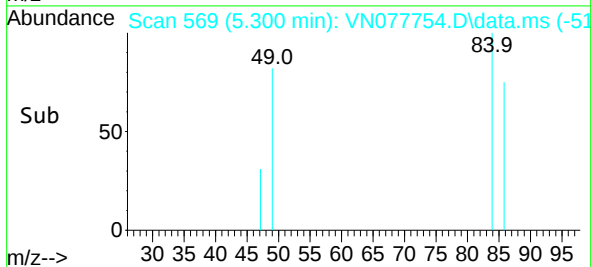
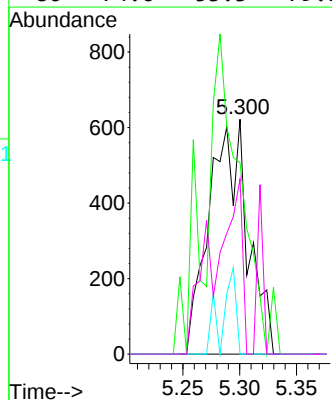
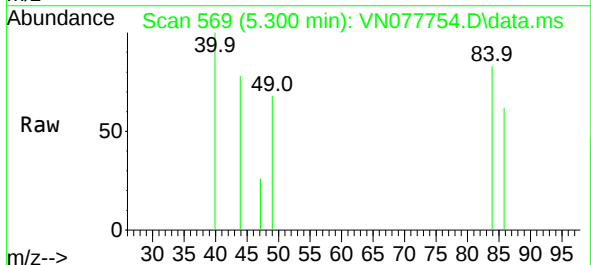
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

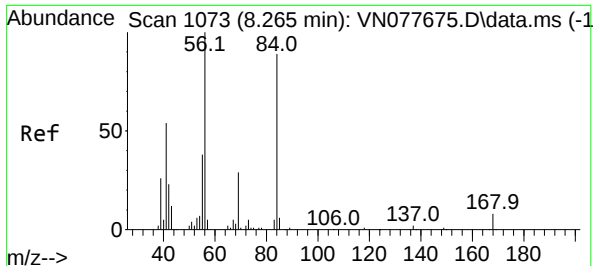
Tgt Ion: 76 Resp: 2264
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 569
Delta R.T. 0.017 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

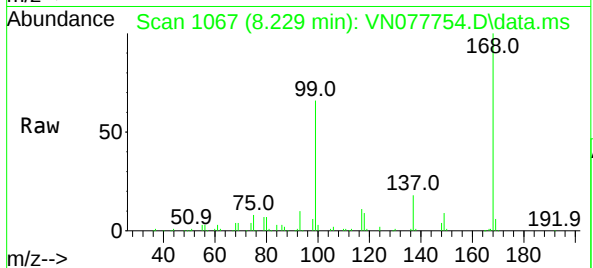
Tgt Ion: 84 Resp: 1463
Ion Ratio Lower Upper
84 100
49 81.5 79.7 119.5
51 0.0 25.2 37.8#
86 74.6 53.3 79.9



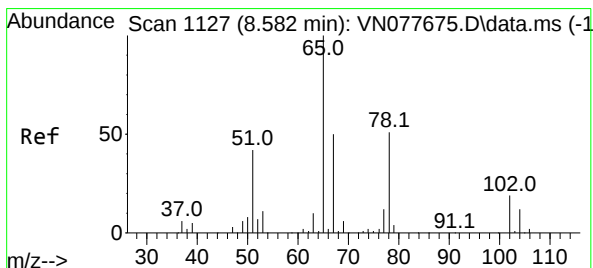
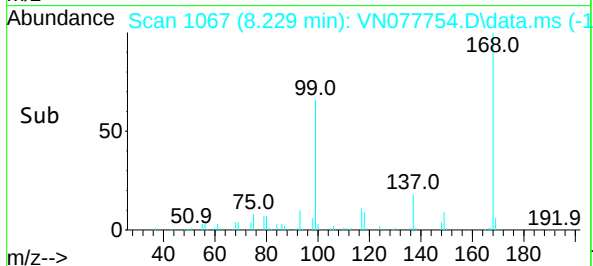
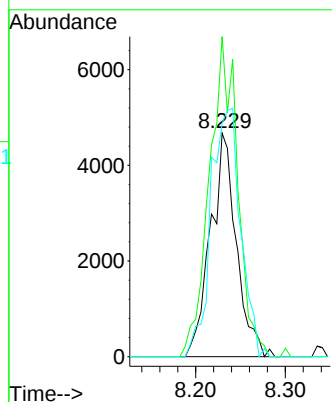


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

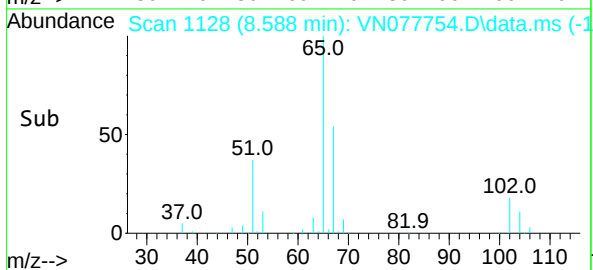
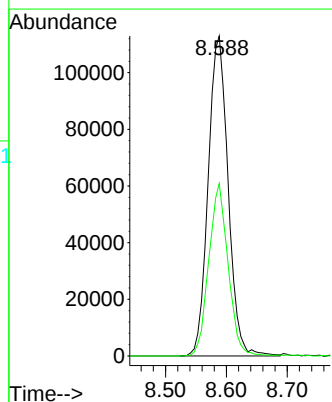
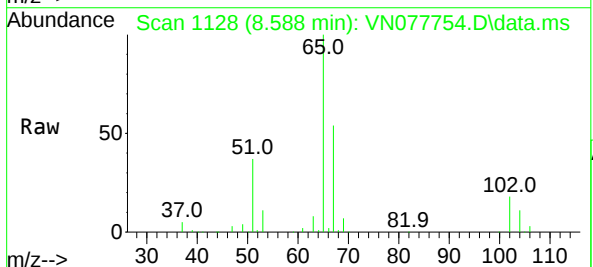


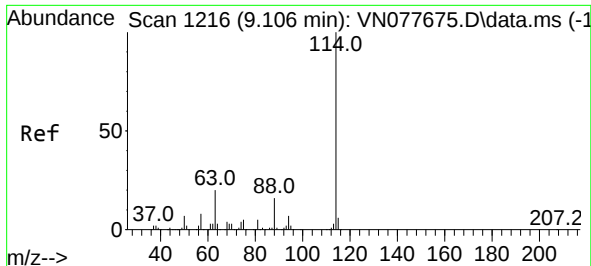
Tgt Ion: 56 Resp: 9340
Ion Ratio Lower Upper
56 100
69 143.1 26.8 40.2#
84 104.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.845 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 65 Resp: 256747
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077754.D

Acq: 19 May 2023 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBL01

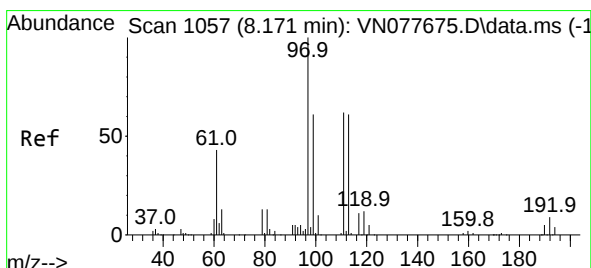
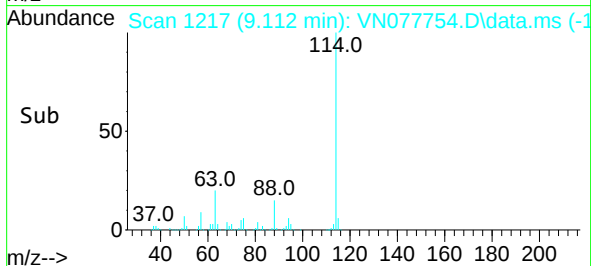
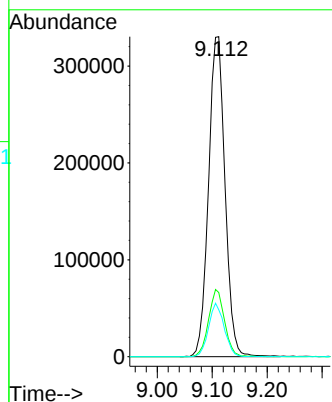
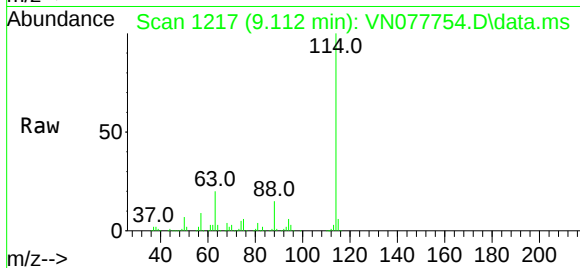
Tgt Ion:114 Resp: 688931

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.913 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077754.D

Acq: 19 May 2023 10:57

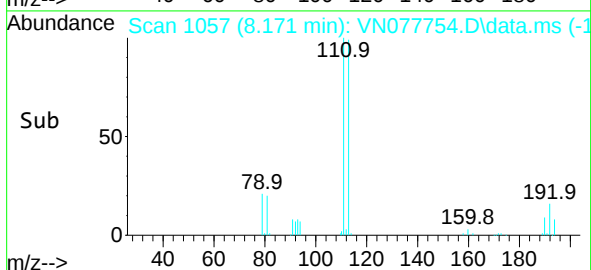
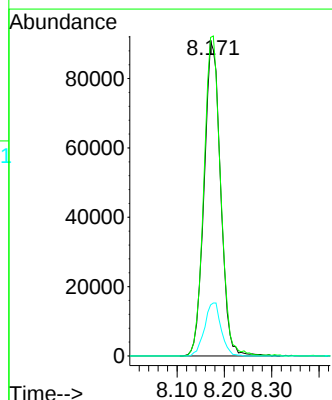
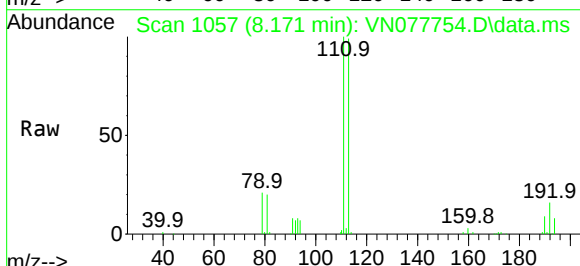
Tgt Ion:113 Resp: 219737

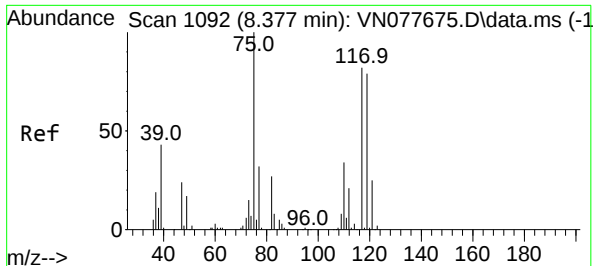
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 17.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077754.D

Acq: 19 May 2023 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBL01

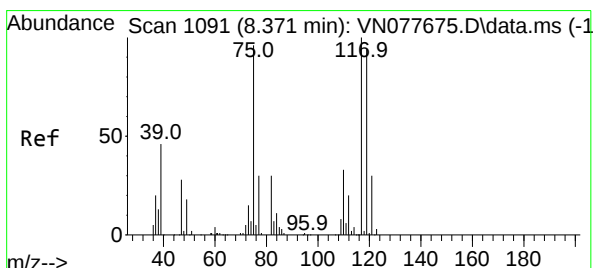
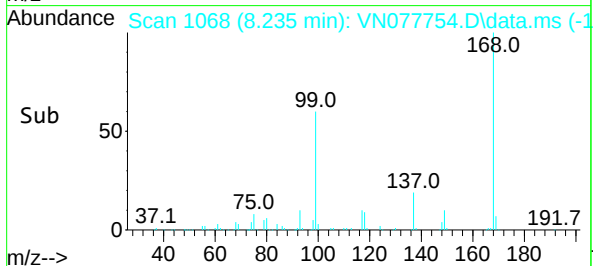
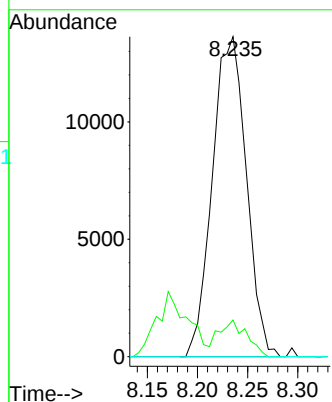
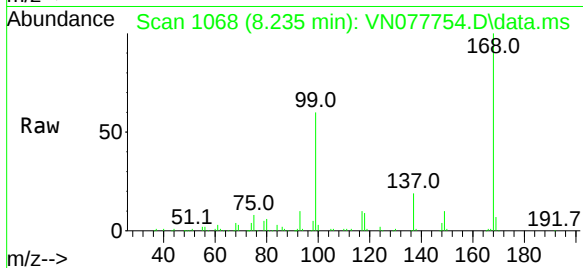
Tgt Ion: 75 Resp: 32108

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.360 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN077754.D

Acq: 19 May 2023 10:57

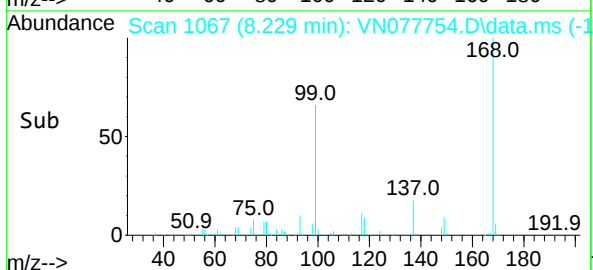
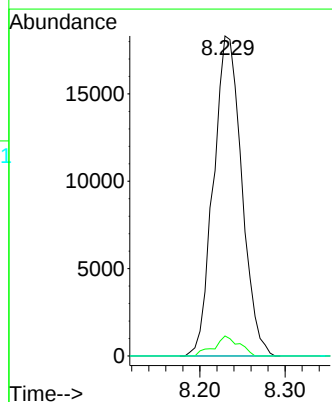
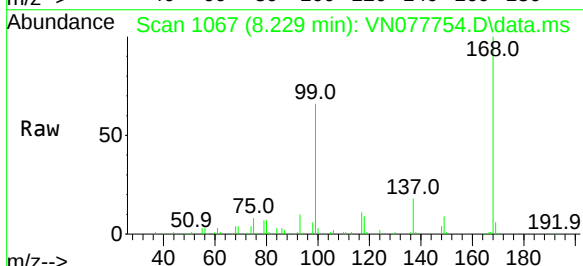
Tgt Ion: 117 Resp: 42197

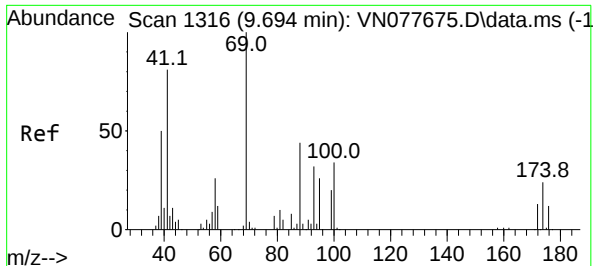
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#

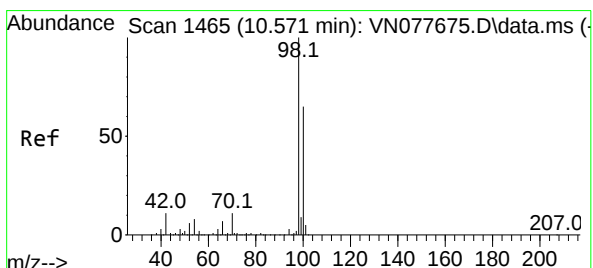
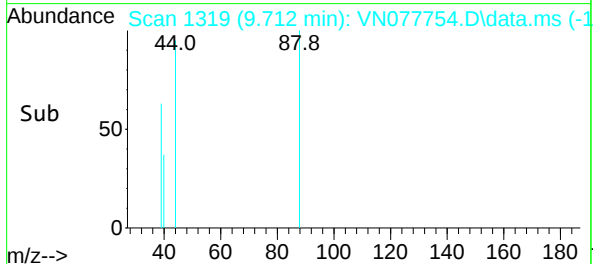
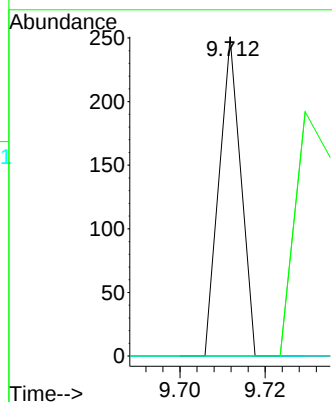
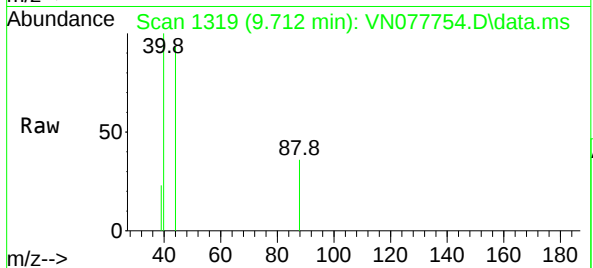




#49
1,4-Dioxane
Concen: 1.039 ug/l
RT: 9.712 min Scan# 1316
Delta R.T. 0.018 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

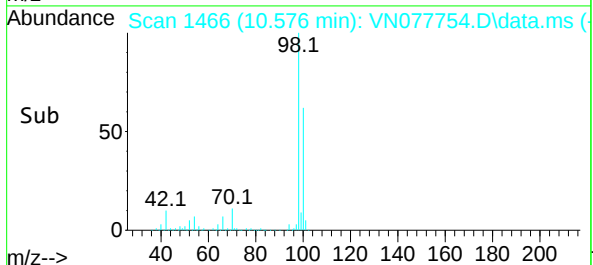
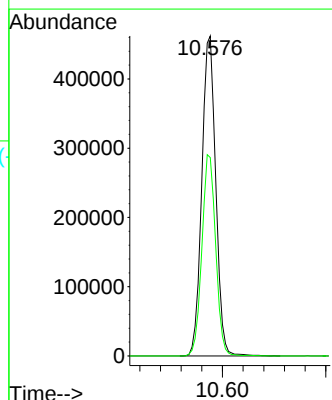
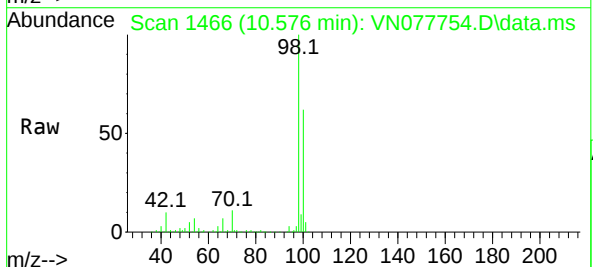
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

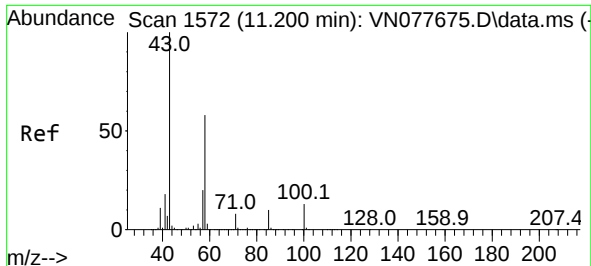
Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 138.2 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 49.962 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 98 Resp: 863922
Ion Ratio Lower Upper
98 100
100 62.2 52.0 78.0

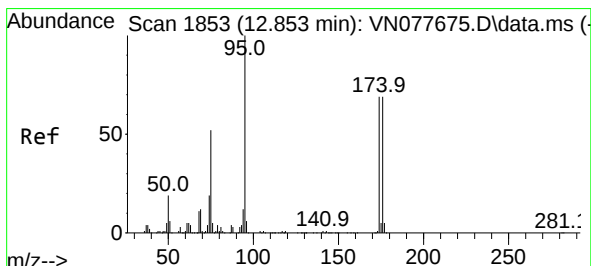
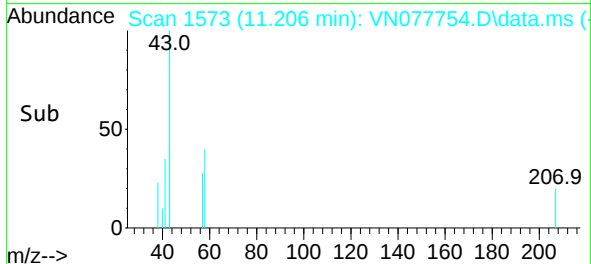
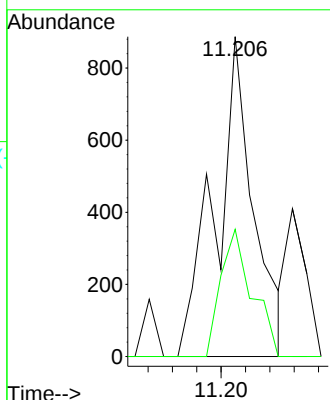
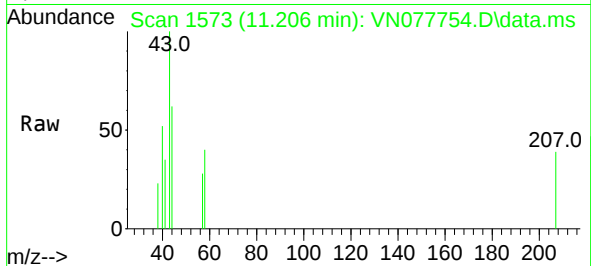




#59
2-Hexanone
Concen: 0.228 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

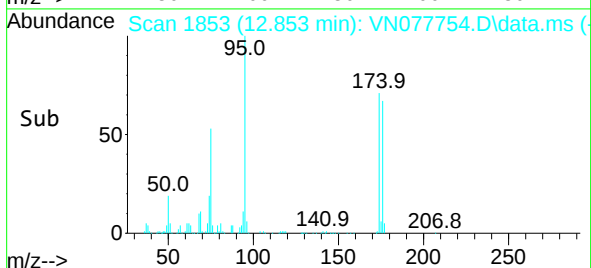
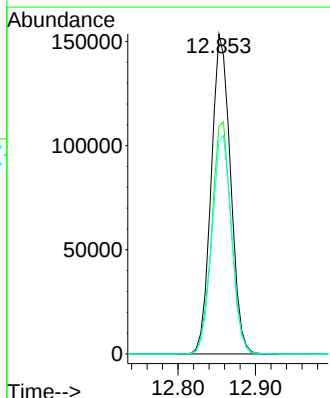
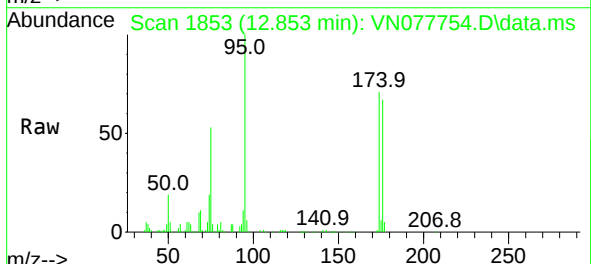
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

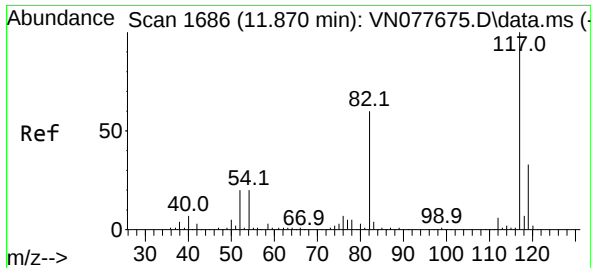
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 33.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 43.471 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion: 95 Resp: 265483
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.8
176 69.6 0.0 135.8

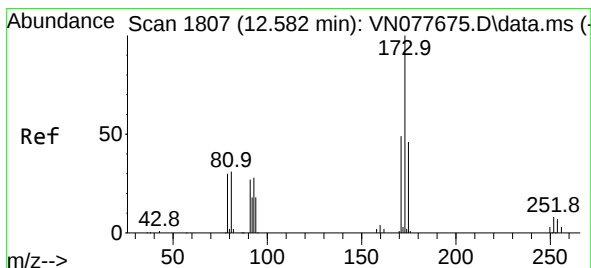
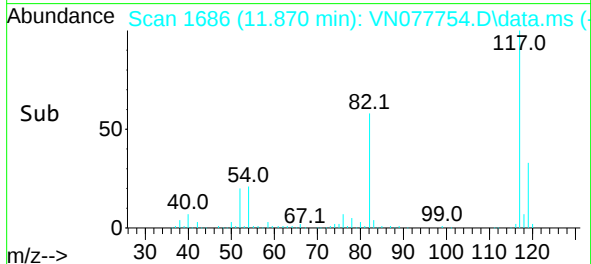
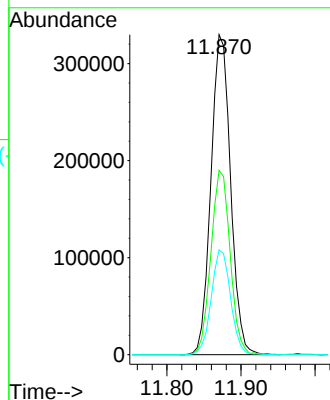
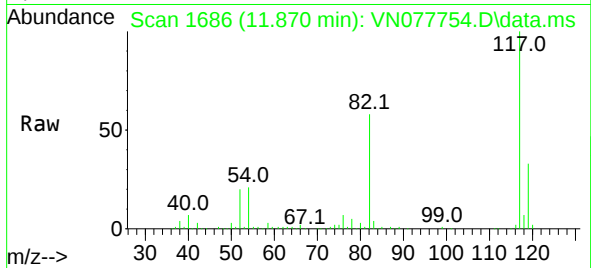




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

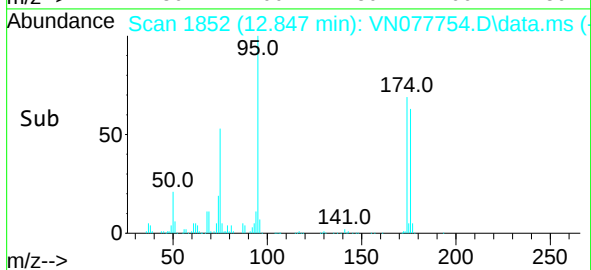
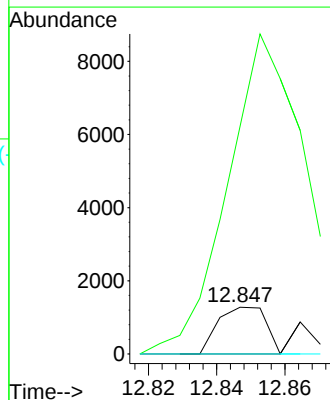
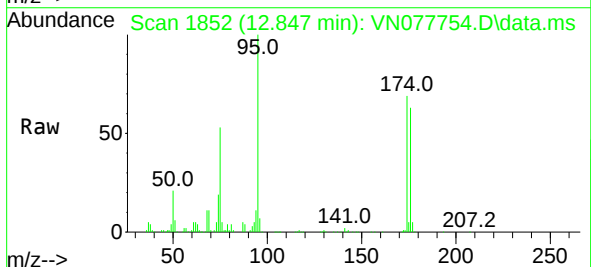
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

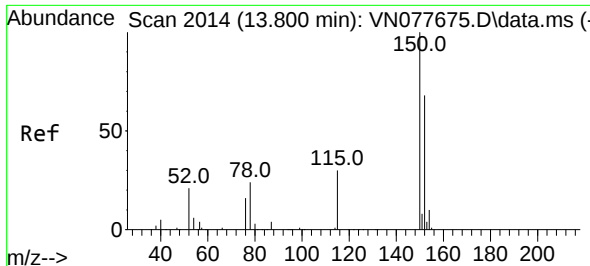
Tgt Ion:117 Resp: 606194
Ion Ratio Lower Upper
117 100
82 57.6 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.413 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion:173 Resp: 1249
Ion Ratio Lower Upper
173 100
175 805.0 24.3 73.0#
254 0.0 0.0 0.0

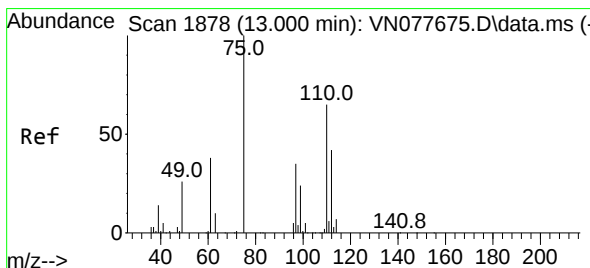
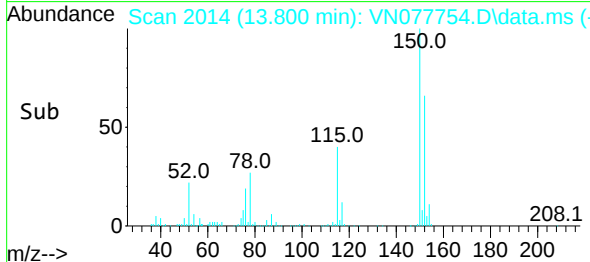
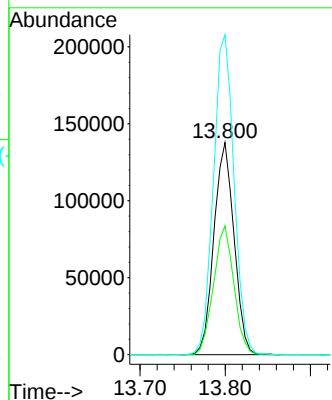
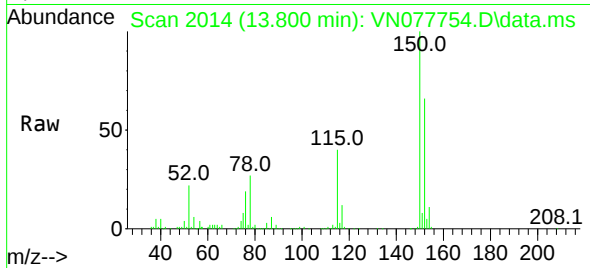




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077754.D
 Acq: 19 May 2023 10:57

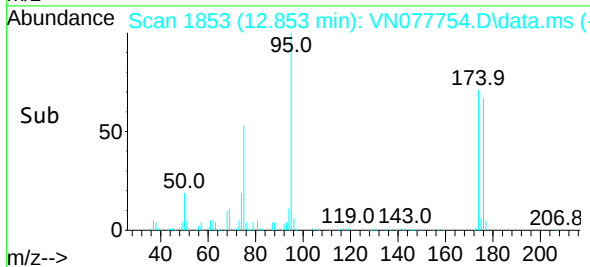
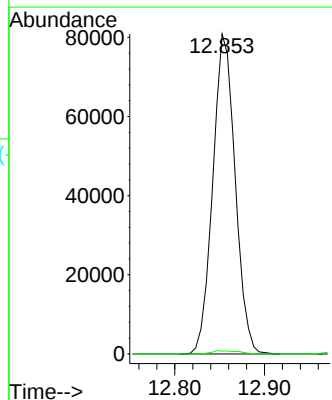
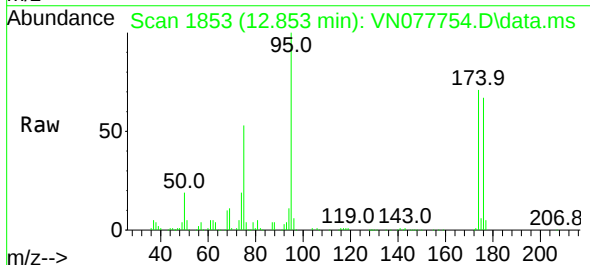
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBL01

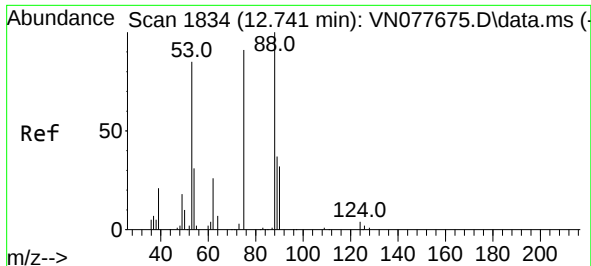
Tgt Ion:152 Resp: 225987
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 154.2 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.723 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN077754.D
 Acq: 19 May 2023 10:57

Tgt Ion: 75 Resp: 139918
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#

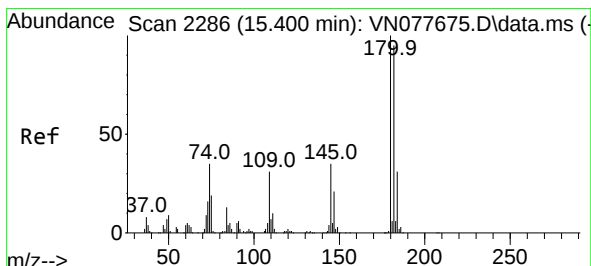
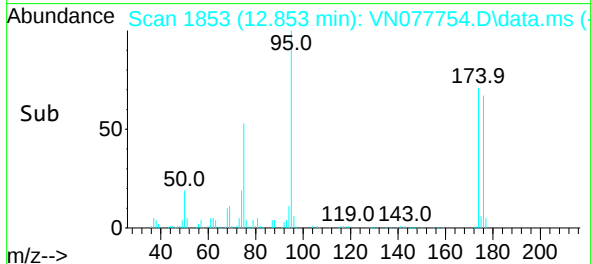
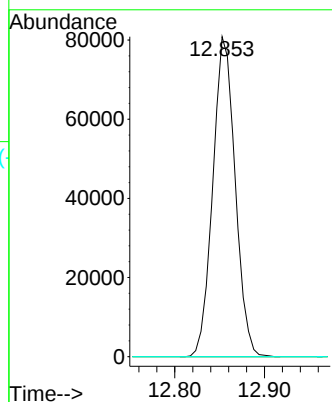
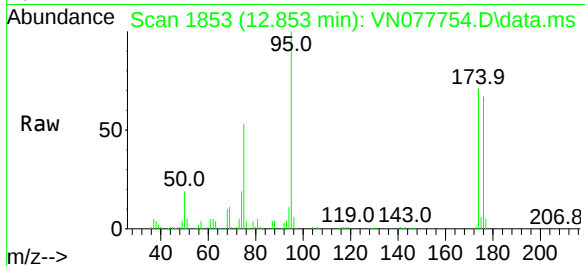




#81
trans-1,4-Dichloro-2-butene
Concen: 79.026 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

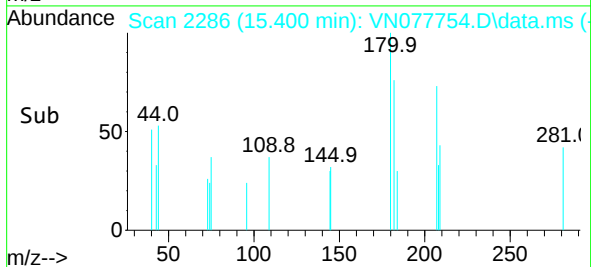
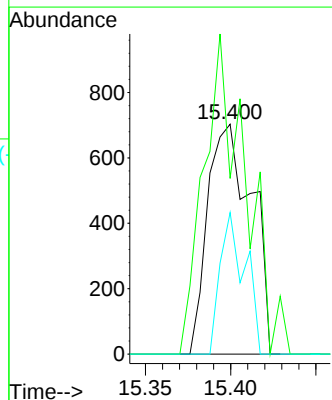
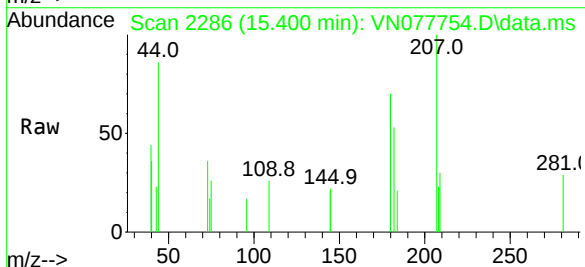
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

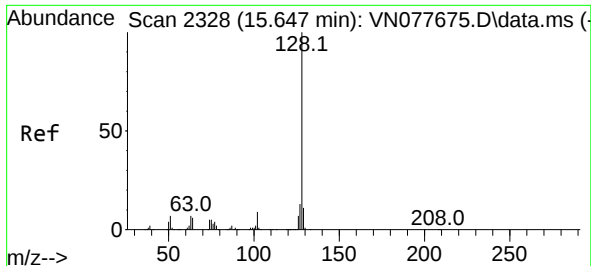
Tgt Ion: 75 Resp: 139918
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion:180 Resp: 1260
Ion Ratio Lower Upper
180 100
182 132.3 46.1 138.2
145 34.8 16.6 49.8

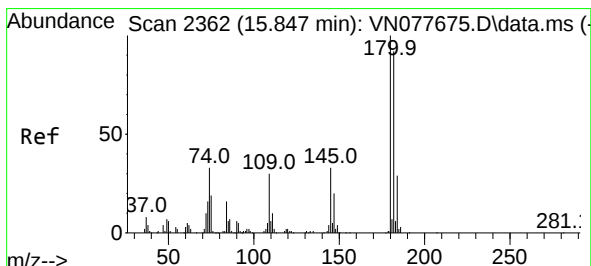
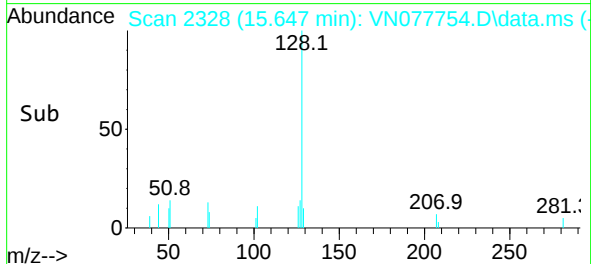
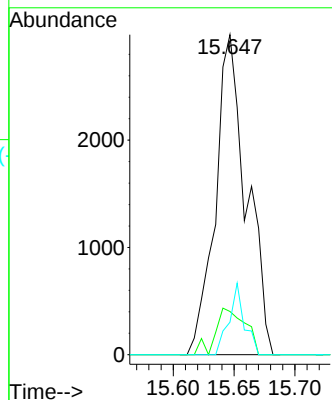
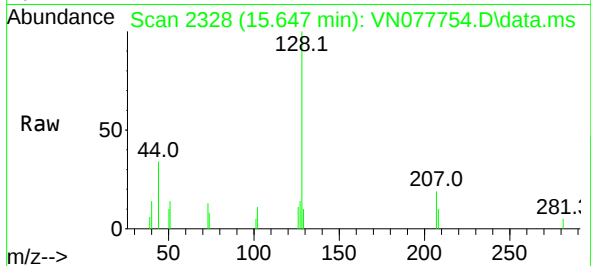




#95
Naphthalene
Concen: 0.344 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL01

Tgt Ion:	128	Resp:	5310
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.0	15.0
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.219 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.012 min
Lab File: VN077754.D
Acq: 19 May 2023 10:57

Tgt Ion:	180	Resp:	964
Ion	Ratio	Lower	Upper
180	100		
182	164.3	46.2	138.6#
145	43.6	17.5	52.6

